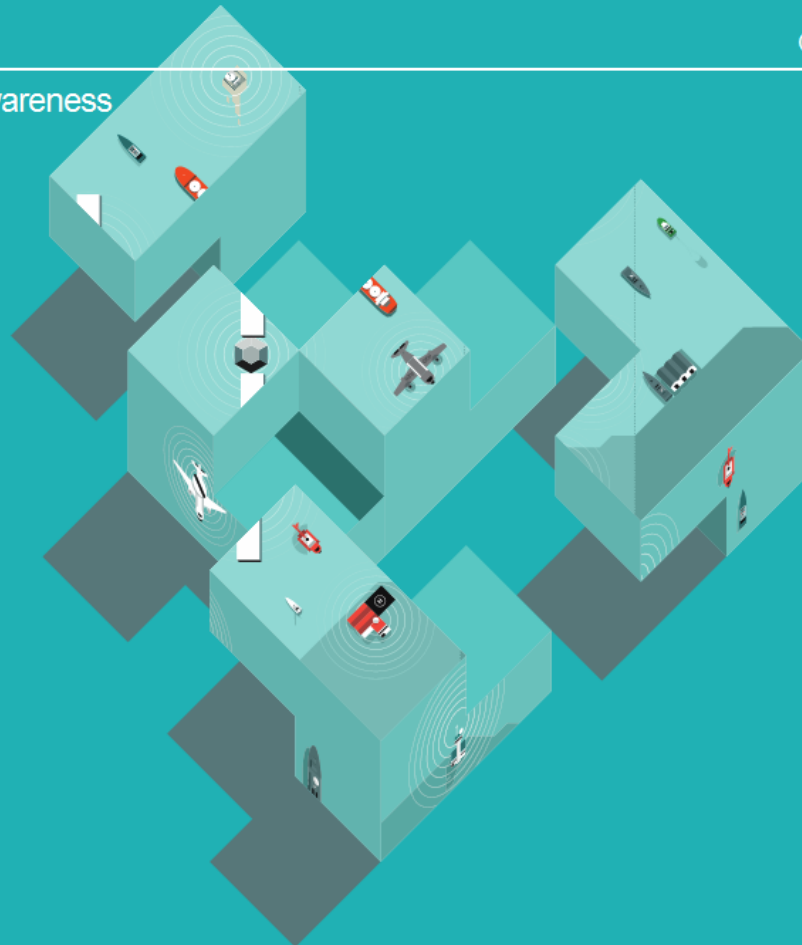


# Maritime **CISE**

Enhancing maritime domain awareness  
and responsiveness in Europe

Common Information Sharing Environment



Industry is key to the CISE process  
as driving new technologies  
to help Coast Guard Functions becoming  
more efficient

# A lot is done ...



## Marine and maritime Surveillance: We do a lot !

Over 300 authorities across the EU deploy radars, satellites, ships, aircrafts and information systems and collect **large amounts of information**

in 7 maritime sectors:

Transport

Environment

Fisheries

Border  
control

Customs

Law  
enforce  
ment

Defence

**But ...**

# Why CISE?



- Only 30% of the useful data is shared across sectors.



## REPORTING

VMS  
VTS  
SSAS  
GMDSS  
AIS  
LRIT  
Fax  
Satellite  
AIS  
Radio



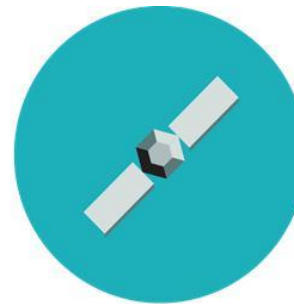
## SENSORS

Visual  
Radar  
ELINT  
FLIR  
Acoustic  
SONAR  
SAR  
ISAR  
HF-Radar



## PLATFORMS

Coastal  
Airborne  
UAS  
Ship-Borne  
IIV  
Satellite



## INTELLIGENCE

HUMINT  
SIGINT  
IMINT  
COMINT



## DATA BASES

Ship Registers  
Ports Info  
Fishing Licenses  
Marine Data  
Criminal Registers  
European Atlas

# What is CISE?



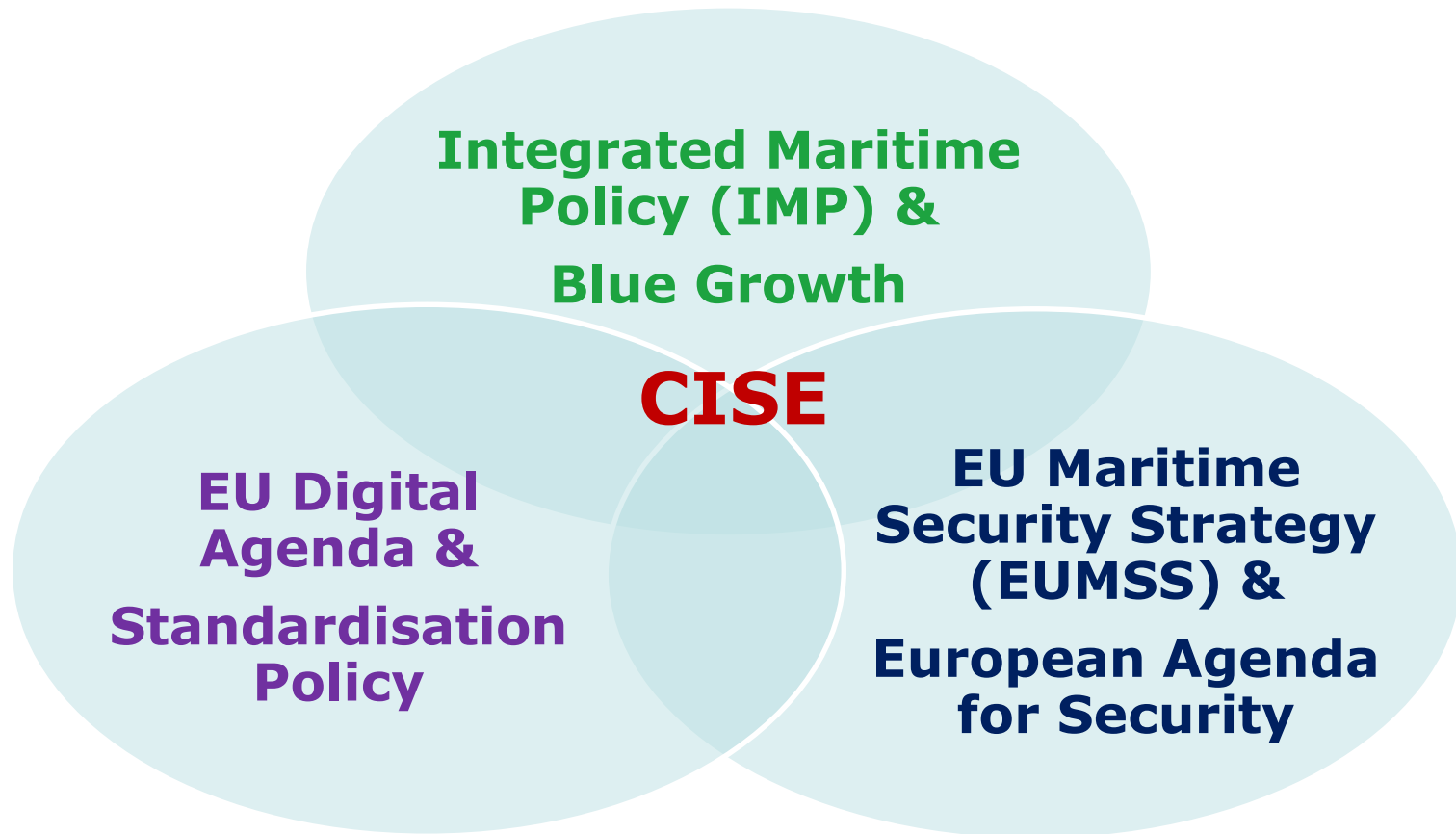
## What CISE is meant to be:

**An interoperability framework** to make the best out of existing information from any relevant system in Europe

**A set of tools and solutions** to allow for enhanced cooperation, effectiveness and cost efficiency

**A continuous process** enhancing technical and operational interoperability amongst public authorities

# EU policy framework of CISE





**2009-10-14**      **CISE Commission Communications**

**CISE Council Conclusions**

**2009-2011**      **MARSUNO/BlueMassMed :**

**- *needs+nodes***

**2013**      **Cooperation Project:**

**-*Use cases,***

**-*Common data model and service model,***

**-*Access rights matrix (role based)***

**2014:**      **Small scale testing Incubator**

**2015:**      **CISE in 'G7' declaration**



- 2011+            National CISE nodes are in development**
- 2014+            Interoperability funding for Member States**
- 2014-2018    EUCISE 2020 (POV)**
  - *CISE large scale test***
- 2018+            Progressive real CISE info exchanges by MS**
- 2018+            CISE in Digital Single Market**
- 2018+            Standardising CISE components**



# CISE: Data multiuse



Maritime data is subject to multiuse:

- the same piece of data can be meaningful for different authorities in different operational situations.

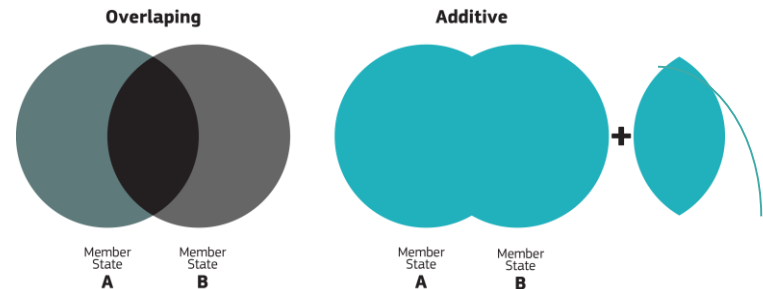


Ensuring full awareness of the maritime domain requires:

- **Collaboration across sectors to**
- **share**
- the **right information**
- with the **right people**
- at the **right time**
- in the **right way**



**How will  
collaboration  
make us  
stronger?**



**Sharing information serves ...**

**... the prosperity of EU societies & citizen**

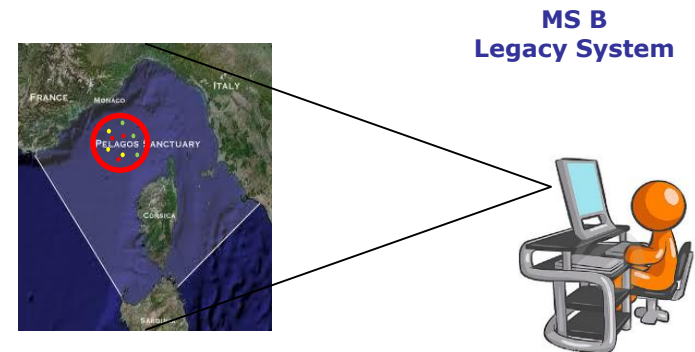
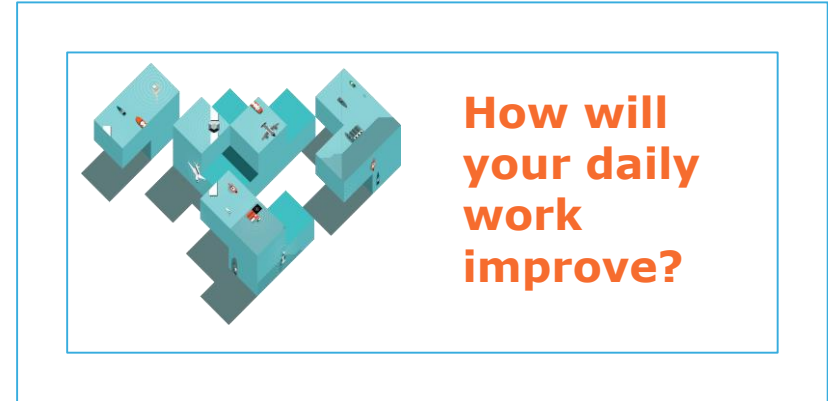
**New information flows** and **services** shall improve **daily work on:**

- *Baseline* operations
- *Targeted* operations
- *Response* operations

## In practice:

You “see” data provided by the legacy system X in the Country A on ***your*** legacy system screen B and vice versa

- CISE **automates** your data exchange across sectors and countries
- CISE **improves** response time and decision making in maritime events
- CISE ensures real-time **collection of additional relevant information**



# CISE info services



**CISE: from 30% to 100% use of existing information**

**Monitoring:** Using 100% existing info gives better awareness

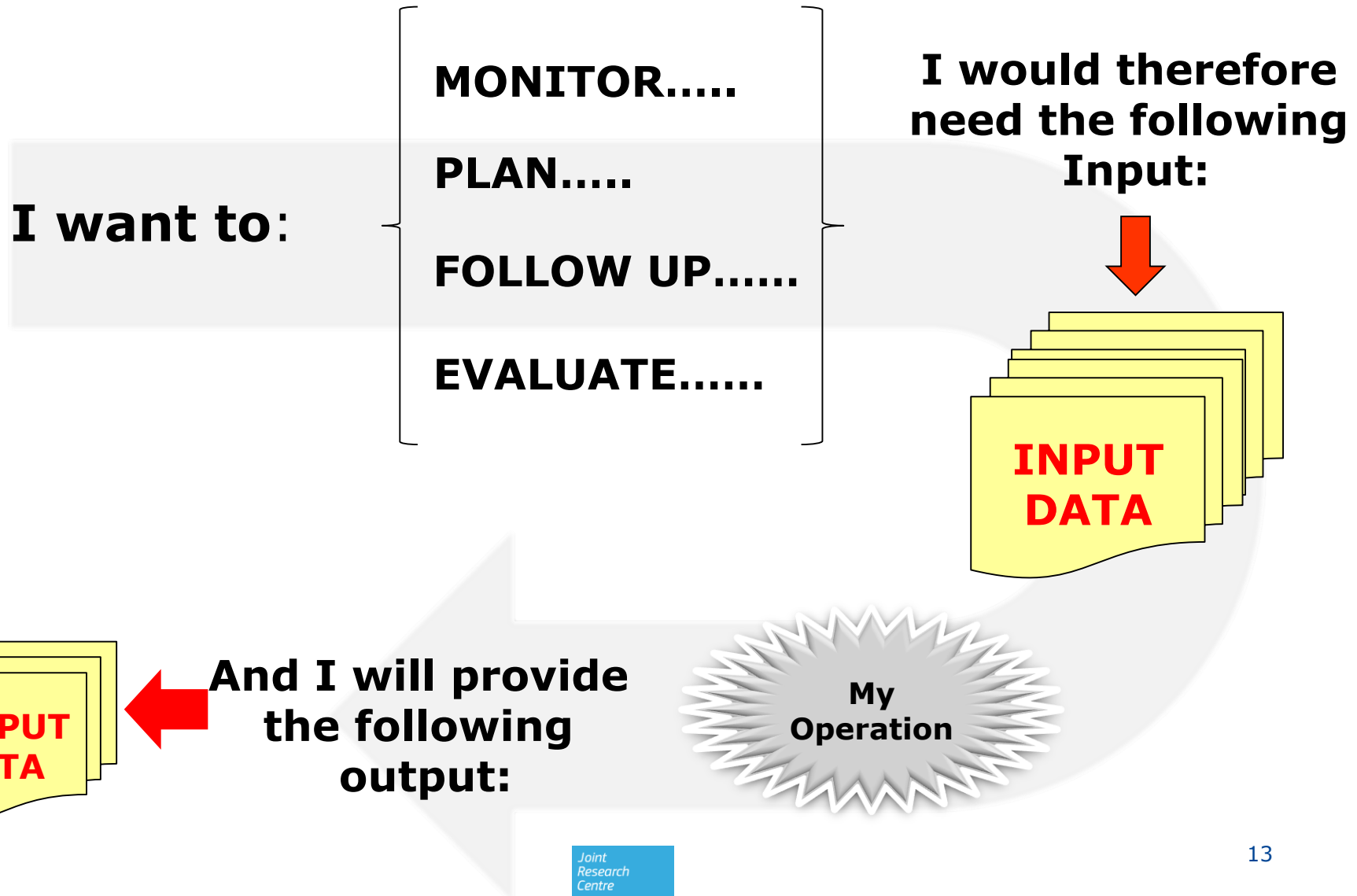
**Alerts:** Automated alerts on any occurrences at sea

**Events:** Common management possible

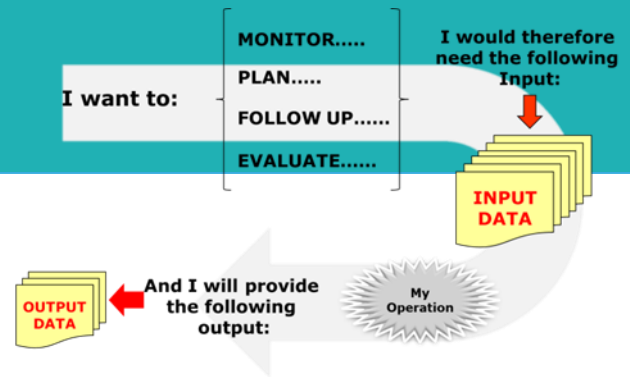
**Intelligence:** Combining the best information in Europe

**Assets:** Regional planning when deploying ships, planes, satellites, ...

**Info+**  
**Efficiency+**  
**Effectiveness+**



# CISE – which data?



Ships related data	Environmental data	Assets	Persons	Intelligence
Positions	Charts and maps	Assets localisation	Crew lists	Alert
Voyage	METOC	Assets planning	Ship owners	Incident
Cargo	Weather	Assets details	Passengers	Criminal records and reporting
Ships details				



- **Cross sectoral 'Chat' service (Marsur type)**
  - **Alerts on vessels & persons of interest**
    - **CISE internal 'google-type' search**
- **Individualised search services – per 'task'**
- **CISE info services to allow for correlations**



**Industry**  
**can help realising 'EUCISE2020'**  
**now**  
**to kick-start the**  
**futur demand**  
**for CISE information services**



# Thank You

For more information:

<https://webgate.ec.europa.eu/maritimeforum/en/cise>